

# Citizens Advisory Board Briefing Salt Disposal Unit (SDU) 2 Status

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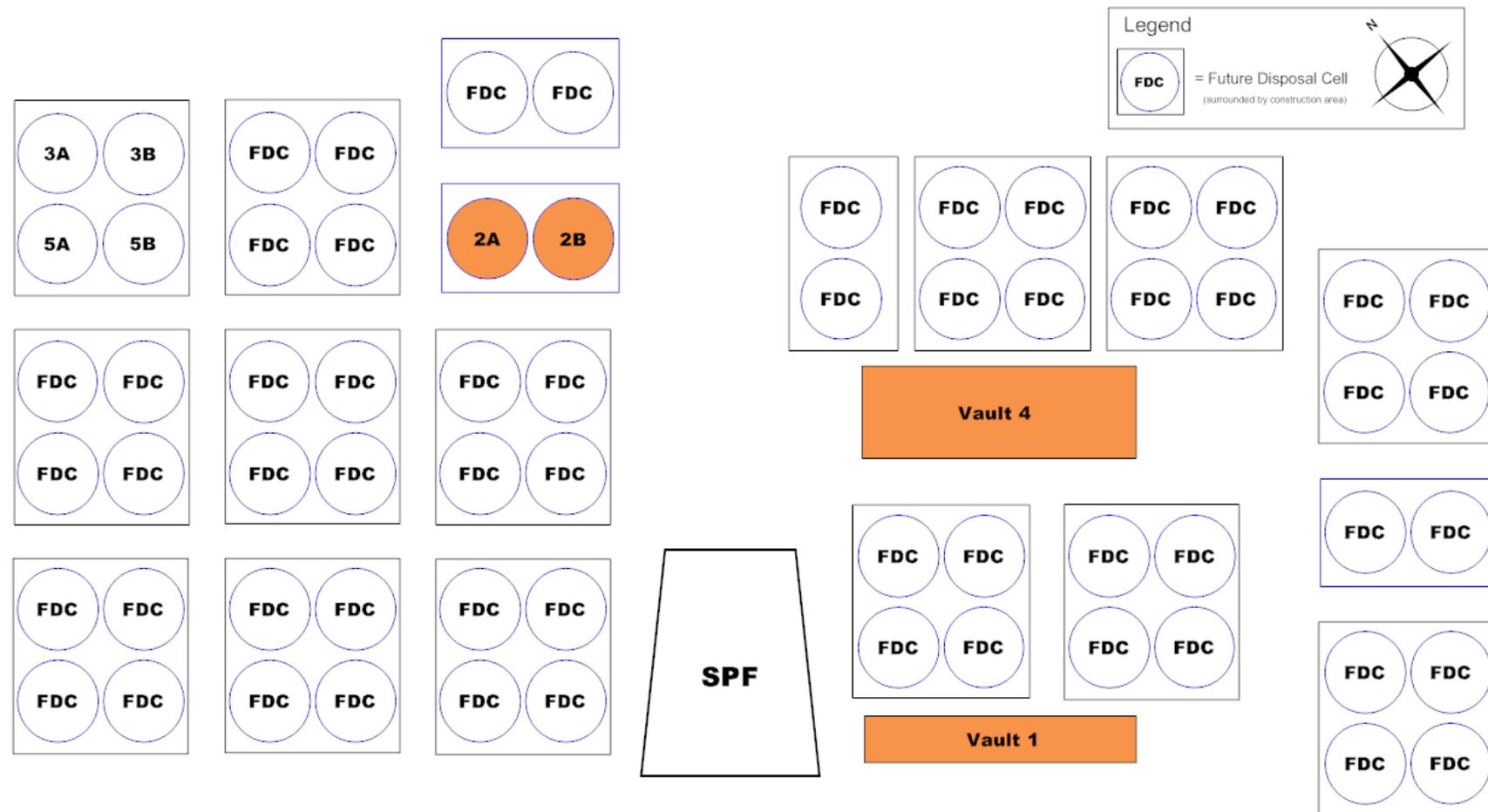
Savannah River  
Remediation

*We do the right thing.*



# Current and Future Salt Disposal Units

*We do the right thing.*



Note: Not to Scale - Figure presents the anticipated FDC locations, numbered disposal units are per existing construction & Geotechnical Investigation Report K-ESR-Z-00002

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# Anticipated SDF Closure Cap System



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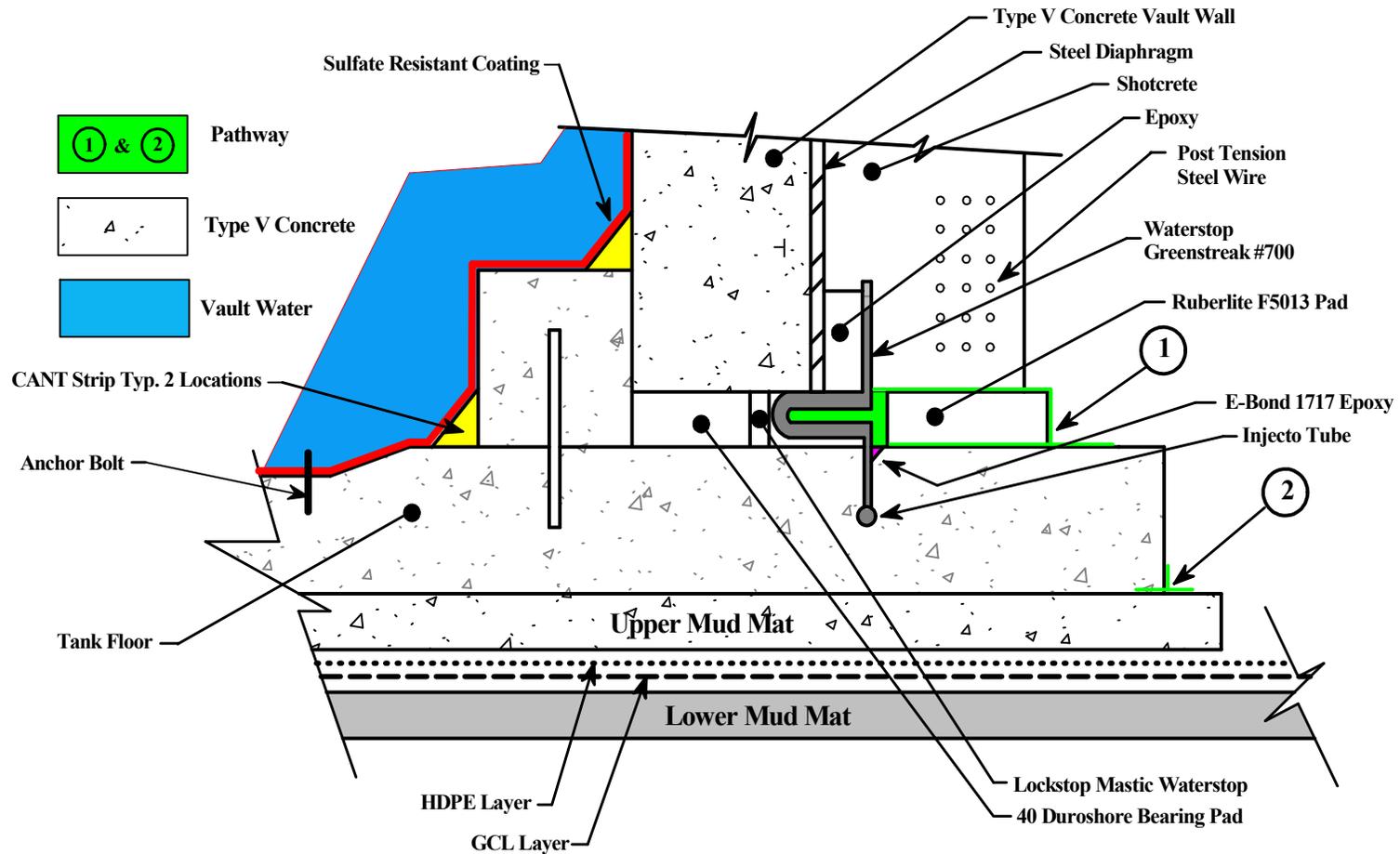
- **SCDHEC Saltstone Disposal Facility Permit**
  - Water-tight tank using engineered containment system
- **Consent Order of Dismissal**
  - Water-tight design to prevent infiltration during waste emplacement and limit infiltration after closure
- **Performance Assessment**
  - Models 8" of Type V water-tight concrete for radionuclide/chemical transport

- SDU 2A and 2B are in the construction phase with initial acceptance testing currently in progress.
- As a result of hydrostatic testing with dye, SDU 2A and 2B have not demonstrated water-tightness to date.
- Engineering pathforward, recovery schedule, and cost are under development.



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- Focused Management Attention
  - Issue Meetings, War Room
- Resource Augmentation
  - Project Director Realignment
  - Additional Project Manager War Room Leadership
  - Corporate Reachback Support
- Engineered Improvements Team
  - Evaluation with Recommendation to Senior Management and DOE-SR by 7/31/2010
  - Necessary Project changes Implemented



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- Engineering Pathforward is under development
- A water-tight unit will be produced
- Expect to meet operational need date of October 2011
- Lessons Learned will be applied to future units

# Acronym List

- DOE-SR Department of Energy, Savannah River
- FDC Future Disposal Cell
- SCDHEC South Carolina, Department of Health and Environmental Control
- SDF Saltstone Disposal Facility
- SDU Salt Disposal Unit
- SPF Saltstone Processing Facility
- SRR Savannah River Remediation LLC